Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-1.6
Average Change GWE (ft)	-1.6
Average Well Depth (ft)	917
Number of Wells Monitored	1

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	0.6
Maximum Decrease GWE (ft)	NA
Average Change GWE (ft)	0.6
Average Well Depth (ft)	876
Number of Wells Monitored	1

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	7.1
Maximum Decrease GWE (ft)	-9.7
Average Change GWE (ft)	-1.6
Average Well Depth (ft)	881
Number of Wells Monitored	14

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	0.4
Maximum Decrease GWE (ft)	-71.0
Average Change GWE (ft)	-14.5
Average Well Depth (ft)	969
Number of Wells Monitored	16

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWL(ft)	NA
Maximum Decrease GWE (ft)	-20.7
Average Change GWE (ft)	-5.4
Average Well Depth (ft)	799
Number of Wells Monitored	9

Butte County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	NA
Maximum Decrease GWE (ft)	-21.8
Average Change GWE (ft)	-7.1
Average Well Depth (ft)	955
Number of Wells Monitored	11

Summary Results for Summer 2012 to Summer 2013
Change in Groundwater Elevation

Maximum Increase GWE (ft)	7.1
Maximum Decrease GWE (ft)	-71.0
Average Change GWE (ft)	-7.4
Average Well Depth (ft)	910
Number of Wells Monitored	52

- Monitoring Well
- County Boundaries
- Redding GW Basin
- Sacramento Valley GW Basin

N

0 1 2 4 6
Miles

Change in Groundwater Elevation

- Greater than 8 feet higher
- > 6 to 8 feet higher
- > 4 to 6 feet higher
- > 2 to 4 feet higher
- 0 to 2 feet higher
- > 0 to 2 feet lower
- > 2 to 4 feet lower
- > 4 to 6 feet lower
- > 6 to 8 feet lower
- Greater than 8 feet lower

SHASTA
TEHAMA
BUTTE
GLENN
COLUSA

Redding
Cottonwood
Red Bluff
Tehama
Corning
Orland
Chico
Paradise
Willows
Oroville
Gridley
Live Oak
Colusa
Williams

03R2
20A1
29R2
11B3
32P3
34N3
05J4
09Q4
12P2
24D2
27G1
29Q3
29N4
13C3
25M1
28N1
28M2
31M1
01N1
18C1
15C2
24E1
30H2
29N1
04C2
12A3
11A1
13J1
24B1
18C1
13L1
26E3
33M1
34Q2
07E1
18R5
18L1
08Q1
22D4
35B2
02E1
18D1
35L1
09H2
10A1
05B1
14H5
14Q3
17C4
35P1
13P1
22A1
32K2
06D2
03R1
07N1
16A1

NOTES

Note 1: A positive number indicates that groundwater elevations were higher in the current year than in the previous year. A negative number indicates that groundwater elevations were lower in the current year than in the previous year.

Note 2: Statistical analysis is based on the number of wells monitored within each county. Summary results are based on the total number of wells monitored, not averages of the statistical analysis of individual counties.

Note 3: This map may not use all the color ranges shown in table above. Some wells may not be visible on map due to the close proximity to each other.

Note 4: Groundwater level changes are based on groundwater level measurements taken from wells constructed in the deep aquifer zone at similar dates of different years. These wells include those that have screened intervals and well depths that are generally greater than 600 ft.

Note 5: Change in groundwater elevations are based on the actual measured levels of the hydrostatic level (piezometric surface) of the groundwater at individual well locations. Contoured color ramping and change in groundwater elevation estimates between monitoring wells is a computer generated calculation using the availability and proximity of surrounding monitoring well measurements. As such, the calculated change in groundwater elevation between individual monitoring wells should be considered approximate. The accuracy of the estimated contour is directly related to the spacing and the distribution of nearby monitoring wells, the similarity of nearby monitoring well construction, and the local changes or similarities in aquifer characteristics.

Note 6: GWE - Groundwater Elevation
bgs - below ground surface

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NORTHERN SACRAMENTO VALLEY
CHANGE IN GROUNDWATER ELEVATION MAP
SUMMER 2012 TO SUMMER 2013
DEEP AQUIFER ZONE
(Well with screen intervals and well depths generally greater than 600 ft bgs)

PLATE 2D-A

Date: December 2013

BY: G. Gordon

http://www.water.ca.gov/groundwater/data_and_monitoring/northern_region/GroundwaterLevel/gw_level_monitoring.cfm

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